

Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators (53-1031)

Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 55

Focus Occupation: First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators (53-1031)

Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Transportation	4.6	23.1	15.9	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	15.8	12.0	<<	Extensive education and/or training may be required
Geography	3.9	15.7	6.6	<<	Extensive education and/or training may be required
Physics	4.3	12.3	2.1	<<	Extensive education and/or training may be required
Psychology	6.4	12.2	9.8	<	Expanded education and/or training may be required
Mathematics	9.2	11.2	10.8	0	Current knowledge level may be sufficient
Law and Government	5.9	10.7	7.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 31

Focus Occupation: First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators (53-1031)

Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	23.0	5.5	<<	Extensive development of skills in this area may be required

Operation Monitoring	6.6	18.7	6.4	<<	Extensive development of skills in this area may be required
Judgment and Decision Making	9.4	15.2	11.2	<<	Extensive development of skills in this area may be required
Critical Thinking	10.8	15.0	11.9	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	13.3	11.2	<	A higher skill level may be required
Coordination	9.1	12.3	11.5	0	Current skill level may be sufficient
Time Management	8.9	11.8	12.5	0	Current skill level may be sufficient
Mathematics	6.2	10.7	6.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 55

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Response Orientation	4.0	20.6	4.1	<<	Extensive improvement in abilities may be required
Far Vision	7.8	18.3	7.2	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	16.9	4.4	<<	Extensive improvement in abilities may be required
Rate Control	3.8	16.1	3.6	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	15.9	7.4	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	15.7	3.6	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	15.0	7.9	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	13.8	7.2	<<	Extensive improvement in abilities may be required
Night Vision	2.1	11.5	2.6	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	11.4	3.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 51

Focus Occupation: First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators (53-1031)

Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Perform safety inspections in transportation setting	62
Read maps	42
Use two-way radio or mobile phone	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 14

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Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.